

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled)

Claim 14 (Currently Amended): An information storage medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, said data forming a plurality of error correction code blocks, wherein a predetermined number of sectors constitute each error correction code blocks, and each of said sectors has a predetermined size, the information storage medium comprising:

~~a data area configured to store:~~

~~the video object data, and~~

~~a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and~~

a data area configured to store the video object data; and

a control information recording area configured to store said control information, the control information being configured to manage the video object data and including an AV file information table having a first table area configured to store object stream information, and a second table area configured to store AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, each said object information including information of a video object units of the video object data, and a plurality of object information search pointers associated with the plurality of object information, wherein:

said video object data is configured to be recorded in at least one of the video object units,

~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

an error correction code block address being defined in units of the error correction code block ~~corresponds to an integer multiple of said sectors,~~

each said object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more ~~data~~ video object unit entries, and

each time entry includes time difference information indicating a difference between a ~~designated playback~~ a calculated presentation time and a presentation start time of a corresponding ~~data~~ video object unit of the video object, ~~data~~

wherein the recording/reproducing apparatus, in accordance with the control information, accesses the video object data.

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium configured to have data recorded thereon, said data including control information and video object data, said data forming a plurality of error correction code blocks, wherein a predetermined number of sectors constitute each error correction code block, and each of said sectors has a predetermined size, the information storage medium including, [[:]]

~~a data area configured to store:~~

~~video object data, and~~

~~a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and~~

a data area configured to store video object data, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first table area configured to store object stream information, and a second table area configured to store AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, each said object information including information of a video object ~~units~~ of the video object data, and a plurality of object information search pointers associated with the plurality of object information, wherein:

said video object data is configured to be recorded in at least one of the video object ~~units~~,

~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

an error correction code block address being defined in units of the error correction code block ~~corresponds to an integer multiple of said sectors,~~

each said object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more ~~data~~ video object unit entries, and

each time entry includes time difference information indicating a difference between a ~~designated playback~~ a calculated presentation time and a presentation start time of a corresponding ~~data~~ video object unit of the video object ~~data~~,

the information recording method comprising:

recording the video object into the data area; and
recording the control information, including the plurality of object information, into the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing information recorded on an information storage medium configured to have data reproduced therefrom, said data including control information and video object data, said data forming a plurality of error correction code blocks, wherein a predetermined number of sectors constitute each error correction code block, and each of said sectors has a predetermined size, the information storage medium including, that includes,

~~a data area including:~~

~~video object data, and~~

~~a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and~~

a data area configured to store the video object data, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first table area including object stream information, and a second table area including AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, each said object information including information of a video object ~~units~~ of the video object data, and a plurality of object information search pointers associated with the plurality of object information, wherein:

said video object data is recorded in at least one of the video object ~~units~~,

~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks;~~

~~an error correction code block address being defined in units of the error correction code block corresponds to an integer multiple of said sectors,~~

each said object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more ~~data~~ video object unit entries, and

each time entry includes time difference information indicating a difference between a ~~designated playback~~ a calculated presentation time and a presentation start time of a corresponding ~~data~~ video object unit of the video object ~~data~~,

the information reproducing method comprising:

~~reproducing the video object data from the data area; and~~

reproducing the control information, including the plurality of object information, from the control information recording area; and

reproducing the video object from the data area.

Claim 17 (Currently Amended): An information reproducing apparatus for reproducing information recorded on an information storage medium configured to have data reproduced therefrom, said data including control information and video object data, said data forming a plurality of error correction code blocks, wherein a predetermined number of sectors constitute each error correction code block, and each of said sectors has a predetermined size, the information storage medium including, that includes

~~a data area including:~~

~~video object data, and~~

~~a plurality of error correction code blocks, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and~~

a data area configured to store the video object data, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first table area including object stream information, and a second table area including AV file information configured to manage information of the video object data, the AV file information including a plurality of object information, each said object information including information of a video object units of the video object data, and a plurality of object information search pointers associated with the plurality of object information, wherein:

said video object data is recorded in at least one of the video object units,

~~an object corresponding to the video object data is allocated with or corresponds to one or more of the plurality of error correction code blocks,~~

an error correction code block address being defined in units of the error correction code block ~~corresponds to an integer multiple of said sectors,~~

each said object information included in said AV file information includes time map information including time map general information, one or more time entries, and one or more ~~data~~ video object unit entries, and

each time entry includes time difference information indicating a difference between a ~~designated playback~~ a calculated presentation time and a presentation start time of a corresponding ~~data~~ video object unit of the video object ~~data~~,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce video object ~~data~~ from the data area; and

a second reproducer ~~configure~~ configured to reproduce the control information,
including the plurality of object information, from the control information recording area.